

Public Health Department.



# ANNUAL REPORT

ON THE HEALTH OF THE

West Lancashire Rural District

DURING THE YEAR

1945

BY

HERBERT H. MARSDEN, M.B., Ch.B., D.P.H.

*Of Gray's Inn, Barrister-at-Law,  
Justice of the Peace for the County of Lancaster.*

Medical Officer of Health.

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WIGAN:

E. Sidebotham, 25/27, Wiend.



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# THE WEST LANCASHIRE RURAL DISTRICT COUNCIL.

1945

Chairman     A. DAVENHILL, J.P.

Vice-Chairman     HARVEY HAIGH.

Aintree	...	...	...	...	Arthur Davenhill, J.P.
Altcar	...	...	...	...	G. W. Aspinall.
Aughton	...	...	...	...	Arthur C. Roodhouse, J.P. P. C. Balmer. John Leigh.
Bickerstaffe	...	...	...	...	James Alcock. James Heyes.
Bispham	...	...	...	...	T. J. Glover.
Downholland	...	...	...	...	Job Sumner.
Ford	...	...	...	...	Alfred Birch.
Halsall	...	...	...	...	Thomas J. Higson. John Harrison.
Hesketh-with-Becconsall	...	...	...	...	Herbert Parkinson, J.P.
Ince Blundell	...	...	...	...	Chas. F. Kuhl.
Lydiate	...	...	...	...	Thomas Jackson.
Maghull	...	...	...	...	Samuel H. Hudson. H. Stafford Moreton. A. W. Glenn.
Melling	...	...	...	...	J. L. F. Weaver.
Netherton	...	...	...	...	E. M. Houghton, J.P. F. V. King.
North Meols	...	...	...	...	C. Hudson. John Sharrock.
Rufford	...	...	...	...	Harvey Haigh.
Scarisbrick	...	...	...	...	Dr. Thomas B. Calland, J.P. A. A. Howard.
Sefton	...	...	...	...	F. W. Preston. John Almond.
Simonswood	...	...	...	...	William Ledson.
Tarleton	...	...	...	...	Robt. Latham, J.P. Philip Barron, C.C.
Thornton	...	...	...	...	Walter Cooke.



## HEALTH COMMITTEE.

MR. H. S. MORETON, Chairman.  
 MR. P. C. BALMER, Vice-Chairman (January—April).  
 MR. JOHN LEIGH, Vice-Chairman (April—December).  
 All Members of the Council.

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## HOSPITAL COMMITTEE.

DR. T. B. CALLAND, J.P., Chairman.  
 MR. A. C. ROODHOUSE, J.P., Vice-Chairman.  
 Messrs. P. C. Balmer, H. Stafford Moreton, G. W. Aspinall, Job Sumner,  
 James Alcock, S. H. Hudson, A. W. Glenn, F. V. King,  
 A. Davenhill, J.P., Chas. F. Kuhl, Philip Barron, C.C.,  
 James Heyes, Harvey Haigh.

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## STAFF OF PUBLIC HEALTH DEPARTMENT.

### Medical Officer of Health :

H. E. MARSDEN, J.P., M.B., D.P.H., Barrister-at-Law.

### Sanitary Inspectors and Meat Inspectors :

T. G. H. HUNTER (January—July).  
 JAMES AINSWORTH, Chief Inspector.  
 N. T. FENNAH (January—May).  
 R. W. BINGHAM (Commenced June).  
 A. SMITHSON (Commenced July).

### Clerical Staff :

MRS. A. FOWLER.  
 MRS. J. BRIDGE.  
 All are whole-time officials.

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## INTRODUCTION

By S. C. GAWNE, M.D., B.S. Lond., M.R.C.S., L.R.C.P., D.C.H.,  
 D.P.H., Barrister-at-Law.

(Acting Medical Officer of Health from 1st April, 1946).

[TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.]

GENTLEMEN,

It is my sad duty to present to you this Report on the health of the West Lancashire Rural District for 1945, prepared by your late Medical Officer of Health, Dr. H. E. Marsden.

It is unnecessary for me to dwell upon Dr. Marsden's services to the Rural District during the 20 years he held office, or to his sterling qualities, personal and professional; they are well-known to all with whom he came in contact. It is perhaps not inappropriate that it should fall to me to present his last Report, for apart from being fortunate enough to be counted as one of his personal friends, it was my lot, as an Officer of the County Council, to be associated with him on many occasions in matters relating to the public health. The Rural District was indeed well-served, and it is characteristic of the man that the Report for 1945 was already in an advanced state of preparation before the beginning of April this year when he met his untimely death.

Little remains for me to add to the Report, but you may wish me to refer to the more salient features. There was a considerable falling off in the birth-rate during 1945, the figure for the year being 16.4 per 1,000 population, as against 19.7 in 1944. This was a reflection of the trend throughout the country as a whole, the corresponding rates for England and Wales being 17.6 and 16.1 respectively.

The Death Rate was 10.1 per 1,000 population, a reduction of 0.5 on the figure for 1944.

A most pleasing feature is the great reduction in infant deaths evidenced by a record low infantile mortality rate of 20 per 1,000 births. The figure for England and Wales was 46, and for the administrative County of Lancaster 50. The West Lancashire Rural District must surely have achieved the distinction in 1945 of having one of the lowest infantile mortality rates in the country.

The Maternal Mortality Rate was 1.53 per 1,000 births, a slightly higher rate than that prevailing in 1944. The figure for England and Wales was 1.79.

The incidence of the infectious diseases calls for little comment, but it is pleasing to report a further reduction in the incidence of diphtheria. This satisfactory trend must doubtless be due to the immunisation campaign so vigorously pressed by the Rural District Council and it is to be hoped that all parents will avail themselves of the prophylactic treatment offered by the Council for their children.

Finally, it will be noticed that the Report has not yet regained its pre-war dimensions. The Minister has once more asked that reports shall be abridged, and accordingly many subjects are presented in summary form without comment.

I am, Gentlemen,

Your obedient Servant,

S. C. GAWNE.

July, 1946.

## Section A.

### STATISTICS OF THE AREA FOR 1945.

Area of the District (Acres) ... ..	67,560
Population (Registrar General's estimate) ... ..	38,190
No of inhabited houses (end of 1945) according to Rate Books ... ..	11,685
Rateable Value ... ..	£244,479
Sum represented by a Penny Rate ... ..	£980
Births ... ..	630
Deaths ... ..	387
Infantile Mortality Rate per 1,000 births ... ..	20

#### BIRTHS.

The number of births recorded during the year was 630, which was a decrease of 135 on the number for 1944. Of the total births, 318 were males and 312 were females. There were 46 illegitimate births—26 males and 20 females. The birth-rate per 1,000 estimated population (mid-1945) was 16.4.

#### DEATHS.

The total deaths registered for the Rural District during 1945 numbered 387, the figure for 1944 being 416. This is equivalent to a death-rate of 10.1 per 1,000 estimated population.

#### Maternal Mortality.

The maternal mortality rate per 1,000 births (live and still) was 1.53 against 1.27 in 1944. The corresponding figure for England and Wales was 1.79.

#### Infantile Mortality Rate.

There were 13 deaths of infants under one year, which gives an infantile mortality rate of 20 per 1,000 births. This is a remarkable decrease on the figure for 1944, which was 42 per 1,000 births. The rate for England and Wales was 46 per 1,000 births.

#### STILL-BIRTHS.

The number of Still-births occurring during 1945 was 20, of which 14 were male and 6 female. This is equivalent to a rate of 30 per 1,000 total (live and still) births.



CAUSES OF DEATH IN THE WEST LANCASHIRE RURAL  
DISTRICT, 1945.

Causes of Death.	Males.	Females.
Typhoid Fever, etc. ... ..	—	—
Cerebro-spinal Fever ... ..	—	—
Scarlet Fever ... ..	—	—
Whooping Cough ... ..	1	—
Diphtheria ... ..	—	—
Tuberculosis of the Respiratory System ... ..	6	5
Other Forms of Tuberculosis ... ..	—	3
Syphilitic Diseases ... ..	2	2
Influenza ... ..	—	2
Measles ... ..	—	—
Acute Polio-myelitis and Polio-encephalitis ... ..	—	1
Acute Inf. Encephalitis ... ..	1	—
Cancer ... ..	30	32
Diabetes ... ..	1	3
Intra-cranial vascular lesions ... ..	22	23
Heart Disease ... ..	66	50
Other circulatory diseases ... ..	4	3
Bronchitis ... ..	9	6
Pneumonia ... ..	1	10
Other respiratory diseases ... ..	3	2
Ulcer on stomach or duodenum ... ..	2	1
Diarrhœa (under 2 years) ... ..	1	1
Appendicitis ... ..	2	—
Other digestive diseases ... ..	4	4
Nephritis ... ..	5	12
Puerperal and post-abortion sepsis ... ..	—	—
Other maternal causes ... ..	—	1
Premature birth ... ..	4	2
Congenital causes ... ..	1	1
Suicide ... ..	3	—
Road Traffic Accidents ... ..	3	—
Other violent causes ... ..	8	4
All other causes ... ..	16	24
Deaths of infants under 1 years :—		
Total ... ..	6	7
Legitimate ... ..	5	7
Illegitimate ... ..	1	—
Live Births :—		
Total ... ..	318	312
Legitimate ... ..	292	292
Illegitimate ... ..	26	20
Stillbirths :—		
Total ... ..	14	6
Legitimate ... ..	14	6
Illegitimate ... ..	—	1



Table showing Birth Rates, Death Rates, Epidemic Death Rates and Infantile Mortality Rates for the West Lancashire Rural District since 1910, compared with England and Wales.

	BIRTH RATES.		DEATH RATES.		EPIDEMIC DEATH RATES.		INFANTILE MORTALITY RATES.	
	England Wales.	West Lancashire.	England Wales.	West Lancashire.	England Wales.	West Lancashire.	England Wales.	West Lancashire.
1910	24.8	22.09	13.4	10.99	.99	.52	106	77
1911	24.4	20.76	14.6	13.51	—	1.48	130	104
1912	23.8	21.73	13.3	10.52	—	.63	95	67
1913	23.9	20.11	13.4	12.56	—	.88	109	94
1914	23.3	19.81	13.6	13.03	—	.87	105	127
1915	21.9	18.95	14.8	12.66	—	.64	110	65
1916	12.6	18.72	14.0	11.85	—	.52	91	64
1917	17.8	18.49	14.4	11.4	.61	.26	97	75
1918	17.7	15.3	17.6	17.7	.77	.67	97	80
1919	18.5	17.8	13.8	16.8	.34	.31	89	86
1920	25.4	21.6	12.4	10.9	—	.79	80	50
1921	22.4	18.2	12.1	10.4	—	.18	83	66
1922	20.6	17.4	12.9	11.3	.47	.23	77	64
1923	19.7	15.0	11.6	11.7	.35	.09	69	58
1924	18.8	16.4	12.2	11.9	.31	.13	75	58
1925	18.3	14.5	12.2	11.5	.39	.23	75	58
1926	17.8	13.9	11.6	10.5	.29	.31	70	70
1927	16.7	15.4	12.3	11.3	.27	.04	69	49
1928	16.7	12.8	11.7	11.4	.26	.13	64	44
1929	16.3	13.6	13.4	12.0	.41	.25	74	59
1930	16.3	13.5	11.4	10.8	.27	.17	60	49
1931	15.8	13.7	12.3	11.6	.38	.04	66	74
1932	15.3	12.28	12.0	9.6	.23	.22	65	59
1933	14.4	12.0	12.3	11.9	.18	.11	64	88
1934	14.8	13.3	11.8	10.6	.06	.14	59	66
1935	14.7	14.5	11.7	13.8	.02	.13	57	67
1936	14.8	14.9	12.1	10.5	.45	.15	59	45
1937	14.9	15.2	12.4	12.0	.02	.06	58	58
1938	15.1	16.0	11.6	10.7	.15	.11	53	48
1939	15.0	15.9	12.1	10.9	.10	.15	50	73
1940	14.6	16.4	14.3	11.6	.10	.12	55	44
1941	14.2	14.5	12.9	10.9	.16	.19	59	57
1942	15.8	16.9	11.6	9.8	.08	.04	49	43
1943	16.5	17.9	12.1	11.0	.08	.02	49	41
1944	17.6	19.7	11.6	10.6	.06	.05	46	42
1945	16.1	16.4	11.4	10.1	.06	.04	46	20

DEATHS IN THE WEST LANCASHIRE RURAL DISTRICT.

Year.	Under 5 Years	AT AGES—YEARS.									
		5	10	20	30	40	50	60	70	80	
1926 .....	11	2	3.5	4.5	2	7	9	24	27	10	100
1927 .....	9	2.5	2	2.5	6	6	10	19	29	14	100
1928 .....	6.9	2.3	1.5	4.9	4.8	7.5	7.2	22.7	29.5	12.8	100
1929 .....	10	1	3.2	4.3	4	9	10.4	10.5	25.8	11.8	100
1930 .....	7.4	1.5	2.8	3.5	5.6	7.5	12.3	17.4	27	15	100
1926-1930 (Average) .....	8.85	1.85	2.6	4.0	4.5	7.4	9.8	20.7	27.6	12.7	100
1931 .....	10.4	0	2.6	2.2	5.2	4.5	16.7	22.3	22.7	13.4	100
1932 .....	10.9	1.2	3.7	4	6	6.5	12.4	19	27.3	9	100
1933 .....	10.6	0.6	3.4	4	4	6.5	13.9	21	23	13	100
1934 .....	11	1	2.5	2.1	3.5	6.7	12.7	20	25.4	15.1	100
1935 .....	13.8	1.7	1.7	5	3.7	7	10	17.3	28.3	11.5	100
1931-1935 (Average) .....	11.34	0.9	2.78	3.46	4.48	6.24	11.34	19.92	25.14	12.4	100
1936 .....	9.8	0.6	2	2.6	4.4	12	10.4	18.6	23.6	16	100
1937 .....	9.3	1.4	1.6	4.6	5	6.2	13.8	19.7	25.4	13	100
1938 .....	8.8	1	2.4	4.7	4.7	9.1	8.6	21.5	25.6	13.6	100
1939 .....	11	2	1	3	5	5	13	22	25	13	100
1940 .....	9	1	2	3	4	5	12	24.5	24.5	15	100
1936-1940 (Average) .....	9.58	1.2	1.8	3.58	4.62	7.46	11.56	21.26	24.82	14.12	100
1941 .....	11	2	1	4	5	8	11	20	24	14	100
1942 .....	8.5	1.7	1.7	2	5	6	10	23	25.5	16.6	100
1943 .....	9	0	1	3	4.6	4.9	11.3	21	30	15.2	100
1944 .....	9	0.5	2	3	6	6	11	21	26.5	15	100
1945 .....	4.9	0.8	2.7	3	3.5	9.4	10.8	21.3	27.2	16.3	100
1941-1945 (Average) .....	8.48	1.0	1.7	3.0	4.8	6.86	10.8	21.2	26.6	15.4	100

## Section B.

### GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

#### PATHOLOGICAL REPORTS.

Specimens are sent for examination to the Bacteriological Department of the University of Liverpool, to Messrs. Evans, Lescher and Webb's Biological Institute at Runcorn, the Pathological Department of the Southport Infirmary, and to the Bootle Infectious Diseases Hospital. Emergency examinations are carried out by the staff of a Local Military Hospital, attached to the County Hospital, Wigan Road, Ormskirk, through the courtesy of the Officer Commanding.

Three hundred and six nose and throat swabs were taken and examined for *Bacillus Diphtheriæ*, which was found to be present in nineteen swabs.

Of eleven swabs examined for Hæmolytic Streptococci four proved negative, and of five swabs examined for Vincent's Angina only one was positive.

Two specimens of blood were tested for the presence of the typhoid group of organisms, both were found to be negative.

Three specimens of sputum were examined for tuberculosis, and one found to be positive.

#### INFECTIOUS DISEASES HOSPITAL.

##### Medical Superintendent :

HERBERT E. MARSDEN, J.P., M.B., Ch.B., D.P.H., Barrister-at-Law.

##### Matron :

MISS M. E. HARRIS, S.R.N.

#### Admissions from all Districts.

	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
Scarlet Fever .....	29	94	46	82	32	33	15	10	35	47	62
Diphtheria (including carriers) .....	28	4	36	51	65	27	81	39	12	30	38
Measles .....	1	—	1	1	—	3	1	2	—	11	2
Whooping Cough ...	1	6	1	1	—	—	3	3	3	—	2
Enteric Fever .....	2	—	6	—	—	3	10	—	—	1	—
Others .....	8	4	31	43	14	11	15	11	26	17	8
Total ...	69	108	121	178	110	77	125	65	76	116	112

#### AMBULANCE.

The Local Authority provides ambulance facilities for infectious cases only. The Ormskirk General Hospital and also the County Hospital at



Ormskirk each provide ambulances for accidents and general hospital cases. Ambulances belonging to the Merseyside Hospitals Council also operate in the area.

The parishes formerly served by Bootle, and which are outside the area served from Ormskirk, now derive their ambulance facilities from the Urban District of Litherland and the Borough of Crosby.

The northern parishes are catered for by voluntary ambulance organisations in the townships of North Meols and Tarleton.

**SUMMARY OF ADMISSIONS, DISCHARGES, etc., FROM THE WEST  
LANCASHIRE RURAL DISTRICT DURING THE YEAR 1945.  
AUGHTON INFECTIOUS DISEASES HOSPITAL.**

**Admissions :**

Scarlet Fever	...	...	...	...	...	...	...	...	48
Diphtheria (including carriers)	...	...	...	...	...	...	...	...	18
Tonsilitis	...	...	...	...	...	...	...	...	6
Vincent's Angina	...	...	...	...	...	...	...	...	2
Whooping Cough	...	...	...	...	...	...	...	...	2
Erysipelas	...	...	...	...	...	...	...	...	2
Others	...	...	...	...	...	...	...	...	1
									79

These admissions were from the following townships:—

Aintree	...	Two cases of Scarlet Fever.
Aughton	...	One case of Diphtheria, four cases of Scarlet Fever, one case of Tonsilitis, and one case of Vincent's Angina.
Ford	...	Two cases of Scarlet Fever, one case of Diphtheria, two cases of Diphtheria carriers.
Maghull	...	One case of Diphtheria, one case of observation Diphtheria, one case of Diphtheria carrier, one case of Erysipelas, twenty-four cases of Scarlet Fever, two cases of Tonsilitis, two cases of Whooping Cough.
Scarisbrick	...	Three cases of Scarlet Fever.
Netherton	...	Six cases of Scarlet Fever, one case of Erysipelas, three cases of Diphtheria, five cases of Diphtheria carriers.
Bickerstaffe	...	One case of Tonsilitis.
Thornton	...	One case of Tonsilitis.
Banks	...	Three cases of Scarlet Fever, one case of Tonsilitis.
Lydiate	...	Two cases of Scarlet Fever, one case of observation Scarlet Fever, one case of Diphtheria, one case of Diphtheria carrier.
Halsall	...	One case of Vincent's Angina, one case of observation Diphtheria.
Sefton	...	One case of Scarlet Fever.

**Discharges :**

Scarlet Fever	...	...	...	...	...	...	...	...	48
Diphtheria (including carriers)	...	...	...	...	...	...	...	...	19
Tonsilitis	...	...	...	...	...	...	...	...	6
Vincent's Angina	...	...	...	...	...	...	...	...	2
Whooping Cough	...	...	...	...	...	...	...	...	2
Erysipelas	...	...	...	...	...	...	...	...	2
Others	...	...	...	...	...	...	...	...	1
Total									80

**ADMISSIONS FROM OTHER DISTRICTS.**

Skelmersdale	...	...	...	...	One case of Diphtheria, one case of observation Diphtheria, one case of Measles.
Ormskirk	...	...	...	...	Three cases of Diphtheria, two cases of Diphtheria carrier, three cases of observation Diphtheria, four cases of Mumps, one case of Measles, six cases of Scarlet Fever.
Seaforth	...	...	...	...	Three cases of Scarlet Fever.
Litherland	...	...	...	...	Two cases of Scarlet Fever.
Loctock Hall	...	...	...	...	One case of Scarlet Fever.
Crosby	...	...	...	...	One case of Vincent's Angina, one case of Diphtheria, and two cases of Scarlet Fever.

The outside work in connection with the hospital was as follows:—

**For West Lancashire Rural District.**

Journeys with ambulance for patient	...	...	...	...	...	...	126
Journeys with ambulance for bedding	...	...	...	...	...	...	131
Houses attended for disinfection	...	...	...	...	...	...	135
No. of times disinfector used	...	...	...	...	...	...	76
Rooms sprayed	...	...	...	...	...	...	164
Schools sprayed	...	...	...	...	...	...	—
Articles stoved	...	...	...	...	...	...	1,859

**For Skelmersdale Urban District.**

Journeys with ambulance for patient	...	...	...	...	...	...	1
Journeys with ambulance for bedding	...	...	...	...	...	...	4
Houses attended for disinfection	...	...	...	...	...	...	6
No. of times disinfector used	...	...	...	...	...	...	3
Rooms sprayed	...	...	...	...	...	...	8
Articles stoved	...	...	...	...	...	...	50

**Other Districts.**

Ormskirk U.D.C.	...	Journeys for patient	...	...	...	...	36
Fazakerley	... ..	„ „ „	...	...	...	...	3
Freshfield	... ..	„ „ „	...	...	...	...	1
Seaforth	... ..	„ „ „	...	...	...	...	6
Myrtle Street Hospital, Liverpool	... ..	„ „ „	...	...	...	...	1
Wigan Infirmary	...	„ „ „	...	...	...	...	1
Royal Infirmary, Liverpool	... ..	„ „ „	...	...	...	...	2



**PARTICULARS OF WORK DONE BY THE VARIOUS NURSING ASSOCIATIONS OPERATING IN THE  
WEST LANCASHIRE RURAL DISTRICT—1st JANUARY, 1945, to 31st DECEMBER, 1945.**

ASSOCIATION.	CASES NURSED.						VISITS.			TOTAL.	
	Midwifery	Maternity	Medical	Surgical	T.B.	General Nursing.	Ante-Natal	T.B.	Cases.	Visits.	
<b>Eccleston and District</b> (including the Parish of Bispham) ... ..	1	4	13	5	—	460	34	—	23	494	
<b>Formby District</b> (including the Parishes of Altcar & Downholland)	1	1	7	6	—	121	—	—	15	121	
<b>Great Crosby &amp; District</b> (including the Parish of Ince Blundell) ...	—	—	2	3	—	68	16	—	5	84	
<b>Kirkby, Lydiate &amp; Melling</b> (Parishes Lydiate, Melling & Simonswood)	15	4	15	20	—	198	—	—	54	902	
<b>Rainford &amp; District</b> (including the Parish of Bickerstaffe) ... ..	5	4	43	49	—	1033	23	—	—	1056	
<b>Scarisbrick District</b> ... ..	—	—	68	97	—	2492	—	—	—	2492	
<b>Sefton &amp; District</b> (including Aintree, Netherton, Sefton, Lunt, Thornton and part of Ford) ... ..	23	20	57	63	(Surgical) 84	365	395	—	—	4831	
<b>Tarleton and District</b> (including Tarleton, Rufford and Hesketh Bank) ... ..	32	14	94	256	1	7912	676	150	397	8738	
<b>Aughton District</b> ... ..	—	—	131	4	1	3423	—	24	178	3447	
<b>Maghull District</b> ... ..	—	1	95	29	2	2943	—	34	127	2977	

The above figures refer only to the work actually performed in the West Lancashire Rural District during the twelve months ended 31st December, 1945.

**MIDWIVES RESIDENT IN THE DISTRICT AT  
31st DECEMBER, 1945.**

Mrs. J. Dawson, "Franklyn," Southport Road, Scarisbrick	...	S.C.M.
Mrs. E. Bibby, 160, Northway, Maghull	... ..	S.C.M.
Miss M. A. Bond, New Street, Halsall	... ..	S.C.M.
Mrs. J. E. MacKellar, Finger Post Cottage, Liverpool Road, Aughton	... ..	S.C.M.
Miss Ruth Freeman, District Nurse, "Burnside," Gorse Lane, Tarleton	... ..	S.C.M.
Miss A. Vidler, 94, Park Lane, Netherton	... ..	S.C.M.
Miss G. Johnson, District Nurse, "Burnside," Gorse Lane, Tarleton	... ..	S.C.M.
Miss E. V. Kernick, 94, Park Lane, Netherton, Liverpool 10	...	S.C.M.
Miss A. V. Irwin, 137, Liverpool Road South, Maghull	... ..	S.C.M.

**PUBLIC HEALTH ACT, 1936—NURSING HOMES.**

Mrs. A. L. M. Blogg, "Holmleigh," 215, Liverpool Road North, Maghull	... ..	One maternity case.
The Misses Mary A. Wharton and E. J. Jones, 32, Gainsborough Avenue, Maghull	... ..	Two maternity or medical cases.
Mrs. E. M. Storey-Bates, "Northgate," Strathnaver, Town Green Lane, Aughton	...	Five maternity and four medical cases.

**VACCINATION OFFICERS.**

<i>Name.</i>	<i>District.</i>
N. Bottomley, 5, Liverpool Road. Skelmersdale.	Bickerstaffe, Bispham, Scarisbrick, Aughton, Simonswood.
N. C. Lyon, 74, Wigan Road, Ormskirk.	Altcar, Aughton, Downholland, Hal- sall, Lydiate, Maghull, Melling.
J. Webster, 22, Derby Street, Ormskirk.	Hesketh Bank, North Meols, Rufford, Tarleton.
H. D. Plevin, 43, Crosby Road, Waterloo.	Ince Blundell, Thornton, Sefton, including Lunt, Ford, Netherton, Aintree.

**PUBLIC VACCINATORS.**

Dr. H. W. F. Croft, The Gables, Croston.	Bispham, Hesketh Bank, Rufford, Tarleton, North Meols.
Dr. R. G. R. Burrows, Sefton View, Maghull.	Downholland, Lydiate, Maghull, Melling, Simonswood.
Dr. W. P. O'Regan, Mansion House, Ormskirk.	Aughton, Bickerstaffe, Halsall, Scaris- brick.
Dr. A. B. Sykes, "Ashurst," Formby.	Altcar.
Dr. W. F. Jones, 255, County Road, Walton, Liverpool.	Aintree.
Dr. J. F. Webb, "Newlyn," Crosby Road North, Seaforth.	Ince Blundell, Thornton.
Dr. W. H. Nowak, (Temporary) 2, Litherland Park, Litherland.	Sefton, including Lunt, Ford, Nether- ton, Aintree.



## Section C.

### SANITARY CIRCUMSTANCES OF THE AREA.—WATER SUPPLY.

The following table summarises the water supplies in the Rural District for the year ended 31st December, 1945.

#### SUMMARY OF WATER SUPPLIES for the Year Ending Dec. 31st, 1945.

PARISHES.	SUPPLIED FROM PUBLIC MAIN.									OTHER SUPPLIES		TOTAL NUMBER OF HOUSES AND PERCENTAGES	
	Upholland Urban District Council	Wigan Rural District Council	Liverpool Corporation	Ormskirk Urban District Council	St. Helens Corporation	Preston Corporation	Southport & Dist. Water Board	TOTALS	Increase or Decrease	Wells, etc.	Increase or Decrease	TOTAL NUMBER OF HOUSES	Percentages
Aintree ... ..	—	—	724	—	—	—	—	724	—	—	—	724	100
Altcar ... ..	—	—	—	—	—	—	179	179	—	25	—	204	87.7
Aughton ... ..	—	—	—	—	2	—	951	953	—	6	—	959	99.3
Bickerstaffe ...	6	—	—	—	—	—	344	350	—	8	—	358	98.0
Bispham ... ..	—	57	—	1	—	—	—	58	—	8	—	66	87.9
Downholland ...	—	—	—	—	—	—	165	165	+2	9	—2	174	94.8
Ford ... ..	—	—	309	—	—	—	—	309	—	—	—	309	100
Halsall ... ..	—	—	—	—	—	—	587	587	—	19	—	606	96.8
Hesketh Bank ...	—	—	—	—	—	526	—	526	—	2	—1	528	99.6
Ince Blundell ...	—	—	123	—	—	—	—	123	—	1	—	124	99.3
Lydiate ... ..	—	—	—	—	—	—	421	421	—	28	—	449	93.7
Maghull ... ..	—	—	—	—	4	—	2553	2557	—	14	—	2571	99.4
Melling ... ..	—	—	1	—	351	—	—	253	—	6	—	358	98.3
Netherton ... ..	—	—	922	—	—	—	—	922	—	—	—	922	100
North Meols ...	—	—	—	—	—	5	708	713	—	18	—	731	97.5
Rufford ... ..	—	—	—	293	—	—	—	293	—1	6	—	299	98.0
Scarisbrick ...	—	—	—	6	—	—	770	776	—	24	—1	800	97.0
Sefton ... ..	—	—	117	—	—	—	—	117	—	6	—	123	95.1
Simonswood ...	—	—	—	—	64	—	—	64	—	4	—	68	94.1
Tarleton ... ..	—	—	—	2	—	791	—	793	—	3	—	796	99.6
Thornton ... ..	—	—	391	—	—	—	—	391	—	—	—	391	100
Totals ... ..	6	57	2587	302	421	1322	6678	11273	+1	187	—4	11560	98.3%

BACTERIOLOGICAL EXAMINATIONS OF WATER, 1935—1945.  
SPRINGFIELD PUMPING STATION.

Date of Sample.	Number of Bacteria growing on Agar.			Presumptive Coliform Reaction.	Bact. Coli.	Cl. Welchii Reaction.
	1 day at 37°C	2 days at 37°C	3 days at 20°C			
Oct. 8th, 1935 .....	2	Not stated	20	Not stated	Absent in 100 cc.	Absent in 100 cc.
Apl. 14th, 1936 .....	2	2	3	do.	do.	do.
Oct. 29th, 1936 .....	3	3	5	do.	do.	do.
Apl. 13th, 1936 .....	1	1	64	do.	do.	do.
Oct. 19th, 1937 .....	1	3	10	do.	do.	do.
Jan. 3rd, 1938 .....	12	32	100	do.	do.	do.
Jan. 3rd, 1938 .....	1	2	7	do.	do.	do.
Aug. 2nd, 1938 .....	0	4	90	Absent in 100 cc.	do.	do.
Oct. 11th, 1938 .....	1	2	5	Not stated	do.	do.
Jan. 16th, 1939 .....	2	4	24	Absent in 100 cc.	do.	do.
Apl. 18th, 1939 .....	0	3	3	Not stated	do.	do.
Aug. 1st, 1939 .....	0	1	8	Absent in 100 cc.	do.	do.
Oct. 24th, 1939 .....	0	1	1	Not stated	do.	do.
Feb. 26th, 1940 .....	1	1	4	Absent in 100 cc.	do.	do.
May 20th, 1940 .....	2	2	7	Not stated	do.	do.
Aug. 27th, 1940 .....	3	3	5	Absent in 100 cc.	do.	do.
Nov. 26th, 1940 .....	2	3	3	Not stated	do.	do.
Mar. 17th, 1941 .....	0	5	6	do.	do.	do.
July 21st, 1941 .....	1	1	19	Not stated	do.	do.
Nov. 26th, 1941 .....	1	1	4	Absent in 100 cc.	do.	do.
Mar. 23rd, 1942 .....	2	3	8	do.	do.	do.
July 13th, 1942 .....	2	3	17	do.	do.	do.
Sept. 16th, 1942 .....	2	3	18	do.	do.	do.
Dec. 16th, 1942 .....	1	2	4	do.	do.	do.
Mar. 17th, 1943 .....	0	2	5	do.	do.	do.
June 9th, 1943 .....	0	1	4	do.	do.	do.
Sept. 16th, 1943 .....	0	1	2	do.	do.	do.
Dec. 14th, 1943 .....	1	1	4	do.	do.	do.
Apl. 4th, 1944 .....	1	1	2	do.	do.	do.
Aug. 5th, 1944 .....	0	1	1	do.	do.	do.
Nov. 6th, 1944 .....	0	1	2	do.	do.	do.
Feb. 26th, 1945 .....	1	2	9	do.	do.	do.
May 29th, 1945 .....	0	0	1	do.	do.	do.
Sept. 27th, 1945 .....	0	0	3	do.	do.	do.

All above samples examined by the Counties Public Health Laboratories, 91, Queen Victoria Street, London, E.C.4.  
Samples taken before filtration and chlorination. Sample dated January 3rd, 1938, taken during period when new pumping plant was temporarily installed in pilot well outside buildings.

BACTERIOLOGICAL EXAMINATIONS OF WATER, 1935—1945.  
BICKERSTAFFE PUMPING STATION.

Date of Sample.	Number of Bacteria growing on Agar.			Presumptive Coliform Reaction.	Bact. Coli.	Cl. Welchii Reaction.
	1 day at 37°C	2 days at 37°C	3 days at 20°C			
Oct. 8th, 1935	2	Not stated	42	Not stated	Absent in 100 cc.	Absent in 100 cc.
Apl. 14th, 1936	3	5	17	do.	do.	do.
Oct. 29th, 1936	2	2	16	do.	do.	do.
Oct. 13th, 1937	1	2	120	do.	do.	do.
Oct. 19th, 1937	1	1	5	do.	do.	do.
Apl. 26th, 1938	2	2	4	do.	do.	do.
Oct. 11th, 1938	0	0	1	do.	do.	do.
Jan. 16th, 1939	10	14	30	Absent in 100 cc.	do.	do.
Apl. 18th, 1939	0	2	7	Not stated	do.	do.
Oct. 24th, 1939	2	6	27	do.	do.	do.
Feb. 27th, 1940	0	4	4	Absent in 100 cc.	do.	do.
May 20th, 1940	4	7	13	Not stated	do.	do.
Nov. 26th, 1940	1	1	4	Absent in 100 cc.	do.	do.
Mar. 17th, 1941	0	2	2	do.	do.	do.
July 21st, 1941	0	1	9	Not stated	do.	do.
Mar. 23rd, 1942	2	2	8	Absent in 100 cc.	do.	do.
July 13th, 1942	1	2	90	do.	do.	do.
Sept. 16th, 1942	0	2	20	do.	do.	do.
Dec. 16th, 1942	1	2	30	do.	do.	do.
Mar. 17th, 1943	0	2	2	do.	do.	do.
June 9th, 1943	0	1	15	do.	do.	do.
Sept. 16th, 1943	1	1	3	do.	do.	do.
Dec. 14th, 1943	0	1	18	Not stated	do.	do.
Apl. 11th, 1944	0	1	2	Absent in 100 cc.	do.	do.
July 31st, 1944	1	1	3	do.	do.	do.
Nov. 6th, 1944	0	1	14	do.	do.	do.
Feb. 26th, 1945	0	0	58	do.	do.	do.
May 25th, 1945	0	0	2	do.	do.	do.
Sept. 27th, 1945	0	1	20	do.	do.	do.

All above samples examined by the Counties Public Health Laboratories, 91, Queen Victoria Street, London, E.C.4.  
All samples taken prior to filtration and chlorination.



# BACTERIOLOGICAL EXAMINATIONS OF WATER, 1935—1945. BLUNDELL HOUSE PUMPING STATION.

Date of Sample.	Number of Bacteria growing on Agar.			Presumptive Coliform Reaction.	Bact. Coli.	Cl. Welchii Reaction.
	1 day at 37°C	2 days at 37°C	3 days at 20°C			
Oct. 8th, 1935	0	Not stated	44	Not stated	Absent in 100 cc.	Absent in 100 cc.
Apl. 14th, 1936	1	1	2	do.	do.	do.
Oct. 29th, 1936	5	7	78	do.	do.	do.
Oct. 13th, 1937	1	1	2	do.	do.	do.
Oct. 19th, 1937	0	0	1	do.	do.	do.
Apl. 26th, 1938	4	4	6	do.	do.	do.
Oct. 11th, 1938	1	1	2	do.	do.	do.
Jan. 16th, 1939	1	3	4	Absent in 100 cc.	do.	do.
Apl. 18th, 1939	3	3	4	Not stated	do.	do.
Oct. 24th, 1939	1	1	1	do.	do.	do.
Feb. 27th, 1940	1	1	1	Absent in 100 cc.	do.	do.
May 20th, 1940	0	1	1	Not stated	do.	do.
Nov. 26th, 1940	0	2	4	Absent in 100 cc.	do.	do.
Mar. 17th, 1941	2	2	4	do.	do.	do.
July 27th, 1941	1	1	7	Not stated	do.	do.
Mar. 23rd, 1942	0	2	4	Absent in 100 cc.	do.	do.
July 13th, 1942	1	1	20	do.	do.	do.
Sept. 16th, 1942	1	2	8	do.	do.	do.
Dec. 16th, 1942	0	1	6	do.	do.	do.
Mar. 17th, 1943	0	1	3	do.	do.	do.
June 9th, 1943	0	1	3	do.	do.	do.
Sept. 16th, 1943	1	1	3	do.	do.	do.
Dec. 14th, 1943	0	1	3	Not stated	do.	do.
Apl. 11th, 1944	0	1	4	Absent in 100 cc.	do.	do.
July 31st, 1944	1	1	10	do.	do.	do.
Nov. 6th, 1944	0	1	2	do.	do.	do.
Feb. 26th, 1945	0	0	1	do.	do.	do.
May 29th, 1945	0	0	1	do.	do.	do.
Sept. 27th, 1945	0	0	0	do.	do.	do.

All above samples examined by the Counties Public Health Laboratories, 91, Queen Victoria Street, London, E.C.4.  
All samples taken prior to filtration and chlorination.

### SEWERAGE AND SEWAGE DISPOSAL.

The following conversions have been effected during the year :—

Privies to Waterclosets	...	...	...	...	4
Pails to Waterclosets	...	...	...	...	9
Privies to Pails	...	...	...	...	17
Fixed Receptacles to Metal Bins	...	...	...	...	4

### SUMMARY OF CONVERSIONS FOR THE YEARS 1936—1945.

Year.		Privies to Water Closets.	Pails to Water Closets.	Privies to Pails.	Ashpits to Bins.
1936	...	22	6	8	27
1937	...	95	10	7	182
1938	...	47	7	15	74
1939	...	29	—	12	41
1940	...	10	2	13	4
1941	...	1	—	—	1
1942	...	5	26	18	19
1943	...	10	1	4	9
1944	...	5	—	32	34
1945	...	4	9	17	4

### SANITARY CONVENIENCES, 1945.

CLOSET ACCOMMODATION. REFUSE ACCOMMODATION.

				W.C.'s	Pails	Privies	Dry Ashpits	Privy Ashpits	Bins
Aintree	...	...	...	716	1	7	2	6	715
Altcar	...	...	...	113	19	69	15	67	112
Aughton	...	...	...	863	5	89	9	88	857
Bickerstaffe	...	...	...	90	75	193	14	193	165
Bispham	...	...	...	8	7	51	1	51	7
Downholland	...	...	...	27	15	130	14	130	26
Ford	...	...	...	289	6	14	—	14	295
Halsall	...	...	...	267	51	272	27	260	265
Hesketh Bank	...	...	...	228	136	162	2	160	349
Ince Blundell	...	...	...	64	1	56	25	51	36
Lydiat	...	...	...	307	28	108	20	108	315
Maghull	...	...	...	2507	14	50	11	50	2513
Melling	...	...	...	209	25	114	—	106	305
Netherton	...	...	...	913	—	9	—	9	913
North Meols	...	...	...	292	271	153	—	152	557
Rufford	...	...	...	159	58	79	1	79	237
Scarisbrick	...	...	...	398	60	333	6	333	506
Sefton	...	...	...	69	1	51	6	48	57
Simonswood	...	...	...	22	1	45	3	45	18
Tarleton	...	...	...	371	136	289	6	288	519
Thornton	...	...	...	371	1	19	—	18	372
TOTALS	...	...	...	8283	911	2293	162	2256	9139

Number of Nuisances found	...	...	...	...	...	...	...	744
Number of Nuisances abated	...	...	...	...	...	...	...	584
Nuisances abated without service of notice	...	...	...	...	...	...	...	91
Preliminary notices served	...	...	...	...	...	...	...	352
Preliminary notices complied with	...	...	...	...	...	...	...	285
Statutory notices served	...	...	...	...	...	...	...	2
Statutory notices complied with	...	...	...	...	...	...	...	2
Dairies, etc., registered	...	...	...	...	...	...	...	122
New Registrations	...	...	...	...	...	...	...	—
Dairies Limewashing required	...	...	...	...	...	...	...	23
Dairies transferred	...	...	...	...	...	...	...	—
Dairies abolished	...	...	...	...	...	...	...	2
Factories with mechanical power	...	...	...	...	...	...	...	58
Factories with mechanical power—new registrations	...	...	...	...	...	...	...	—
Factories without mechanical power	...	...	...	...	...	...	...	118
Factories limewashing required	...	...	...	...	...	...	...	7
Schools visited	...	...	...	...	...	...	...	31
Scavenging :—								
Number of receptacles emptied	...	...	...	...	...	...	...	255,098
Total number of inspections	...	...	...	...	...	...	...	2,138
Samples obtained for analysis	...	...	...	...	...	...	...	42
Water supplies (P.H.A., 1936, Sec. 138)	...	...	...	...	...	...	...	4
Conversions :—								
Privy to Water Closet	...	...	...	...	...	...	...	4
Pail to Water Closet	...	...	...	...	...	...	...	9
Privy to Pail	...	...	...	...	...	...	...	17
Fixed Receptacles to metal bins	...	...	...	...	...	...	...	4
Slaughterhouses	...	...	...	...	...	...	...	—



TABLE SHOWING THE NUMBER OF MATTERS DEALT WITH BY THE SANITARY INSPECTORS DURING THE YEAR 1945

DISTRICTS.	Nuisances found	Nuisances abated	Inspections	Samples obtained	Water supplies P.H.A. 1936 Section 137	Water supplies P.H.A. 1936 Section 138	Slaughter-houses	Inspections	Dairies, etc.	Inspections	Factories	Inspections	Scavenging, No. of recep- tacles emptied	Preliminary notices served	Complied with	Statutory notices served	Complied with	Schools visited	Carcasses examined	Weight of meat Condemed	Total number of Inspections
Aintree	67	54	105	—	—	—	—	3	3	8	8	18,091	47	41	—	—	1	—	—	T. cwt. lbs.	127
Altcar	6	6	12	—	—	—	—	3	1	5	5	803	3	3	—	—	—	—	—	—	22
Aughton	46	42	36	—	—	—	—	10	10	20	24	23,406	14	12	1	1	2	—	—	60	68
Bickerstaffe	6	6	9	—	—	—	—	9	1	7	7	3,538	2	2	—	—	1	—	—	—	28
Bispham	3	2	7	1	—	—	—	5	3	5	3	—	1	—	—	—	1	—	—	—	25
Downholland	7	4	13	2	—	2	—	6	2	6	4	—	2	1	—	—	1	—	—	—	39
Ford	—	—	—	—	—	—	—	2	2	1	1	6,413	—	—	—	—	—	—	—	—	3
Halsall	44	36	78	7	—	—	—	24	11	8	8	9,922	20	16	—	—	1	—	—	—	170
Hesketh Bank	22	19	49	—	—	—	—	19	8	7	7	17,739	5	4	—	—	1	—	—	7½	111
Ince Blundell	—	—	—	—	—	—	—	4	2	3	3	—	—	—	—	—	1	—	—	—	9
Lydiate	3	3	11	2	—	—	—	—	—	7	7	8,284	3	3	—	—	2	—	—	—	24
Maghull	179	103	275	—	—	—	—	8	5	16	18	65,842	119	86	—	—	5	—	—	4	306
Melling	79	58	52	—	—	—	—	2	3	8	8	6,821	18	14	1	1	2	—	—	—	66
Netherton	88	77	146	—	—	—	—	2	2	8	5	22,697	60	54	—	—	2	—	—	14 2 99	258
North Meols	77	75	143	4	—	—	—	32	17	17	12	27,392	22	21	—	—	2	—	—	—	248
Rufford	17	15	37	2	—	—	—	15	5	10	10	5,068	5	4	—	—	2	—	—	—	116
Scarisbrick	69	59	104	4	—	2	—	28	11	17	17	13,199	23	17	—	—	3	—	—	—	261
Sefton	—	—	—	—	—	—	—	6	4	1	1	3,282	—	—	—	—	1	—	—	—	9
Simonswood	—	—	—	—	—	—	—	2	2	1	1	—	—	—	—	—	—	—	—	—	3
Tarleton	30	24	75	16	—	—	—	40	17	26	26	12,466	7	6	—	—	3	—	—	—	239
Thornton	1	1	2	3	—	—	—	5	3	1	1	10,135	1	1	—	—	—	—	—	—	11
Total	744	584	1153	42	—	4	—	225	122	235	176	255,098	352	285	2	2	31	—	—	14 3 72	2,138

## SCHOOL HYGIENE.

The sanitary conditions of the schools are generally satisfactory, but in many, repairs to fabric and improvement of playground surfaces are badly needed.

Improvements have been effected in several schools during the year.

An improvement in the lighting in the infant department at the Ince Blundell R.C. School has been accomplished by the insertion of glass windows in the partition between that department and the Senior School. The sanitary provision at this school is not satisfactory.

Considerable repairs to the fabric have been carried out at the Mere Brow C.E. School, Tarleton.

At the Sefton Council School the drainage system was thoroughly overhauled in July, 1945. The playground here is bad in wet weather, and the advisability of having it concreted should be considered.

Attention to playground surfaces is required at Netherton R.C. School, Mere Brow C.E. School, Holmeswood Methodist School and Haskayne C.E. School.

## SCHOOL CLINICS.

### LITHERLAND CLINIC, LINACRE ROAD.

Monday	...	...	10—12 a.m.	Dental.
			10—12 a.m.	Ante-natal. Clinic alternate Mondays. Dr. Mayeur and Dr. Barker attend alternate sessions.
			2— 4 p.m.	Dental.
			2— 4 p.m.	Child Welfare Centre. Dr. Barker and two nurses.
Tuesday	...	...	10—12 a.m.	Minor Ailments.
			2— 4 p.m.	Dental.
Wednesday	...	...	10—12 a.m.	„
			2— 4 p.m.	„
Thursday	...	...	10—12 a.m.	Ophthalmic.
			10—12 a.m.	Orthopædic. Nurse every Thursday. Surgeon attends second Thursday of each monthly only.
			2— 4 p.m.	Dental.

### MAGHULL CLINIC, PARISH INSTITUTE.

Monday	...	...	10—12 a.m.	Minor Ailments. Nurse only for dressings.
Thursday	...	...	2— 4 p.m.	Child Welfare Centre. Dr. Barker attends alternate weeks.
Friday	...	...	10—12 a.m.	Minor Ailments.

**ORMSKIRK CLINIC, GENERAL HOSPITAL.**

Monday ... .. a.m. Minor Ailments.  
 2— 4 p.m. Child Welfare Centre.  
 p.m. Orthopædic. Nurse every Tuesday.  
 Surgeon attends second Tuesday in  
 each monthly only.  
 Wednesday ... .. p.m. Minor Ailments. Nurse only for  
 dressings.  
 Friday ... .. a.m. and p.m. Dental.

**LATHOM AND BURSCOUGH, OLD COUNCIL OFFICES, LATHOM.**

Thursday ... .. 2— 4 p.m. Child Welfare Centre. Medical Officer  
 attend alternate weeks.

**BANKS CLINIC, GRAVEL FARM, GRAVEL LANE.**

Wednesday ... .. a.m. Minor Ailments. (Alternate weeks  
 only.)  
 a.m. Child Welfare Centre. (Alternate  
 weeks only.)  
 Friday ... .. a.m. and p.m. Dental.



The following is a list of Schools in the district :—

Division No.	SCHOOL.	School No.	No. of children normally resident in the District attending the school.
6	Hesketh-with-Becconsall C.E. ...	28	73 infants and juniors.
6	North Meols, Banks Primitive Methodist ... ..	24	29 infants, 110 mixed.
6	North Meols, St. Stephen's ...	25	104 infants and mixed.
6	Tarleton, Mere Brow C.E. ...	26	55 infants and mixed.
6	Tarleton C.E. ... ..	27	40 infants, 65 juniors.
6	Tarleton Council ... ..		37 infants, 73 juniors and 83 seniors.
19	Halsall Central School ... ..	30	90 juniors, 55 seniors.
19	Haskayne C.E. ... ..	31	13 infants and juniors.
19	Bickerstaffe C.E. ... ..	13	103 infants and juniors.
19	Maghull C.E. ... ..	16	144 infants and juniors.
19	Maghull Senior ... ..		261 juniors.
19	Maghull St. George's R.C. ...	17	52 infants, 36 juniors, 22 seniors.
19	Maghull Dover Road Infants ...		249 infants and juniors.
19	Melling (Aughton) R.C. ... ..	14	56 infants and juniors.
19	Melling C. of E. ... ..	15	115 infants and mixed.
19	Scarisbrick St. Mark's C.E. ...	32	22 infants, 22 juniors.
19	Scarisbrick St. Mary's R.C. ...	33	115 infants and mixed.
19	Scarisbrick Council ... ..	34	50 infants and juniors.
19	Aughton Christ Church ... ..	20	50 infants, 64 juniors.
19	Aughton Parochial ... ..	21	25 infants, 58 juniors.
19	Lydiat R.C. ... ..	19	65 infants and mixed.
19	Lydiat C.E. ... ..	18	86 infants and mixed.
19	Rufford C.E. ... ..	22	22 infants, 35 mixed.
19	Rufford Holmeswood Methodist..	23	47 infants and mixed.
19	Bispham Free Grammar ... ..	24	24 infants. 37 mixed.
20	Ince Blundell R.C. ... ..		41 infants and mixed.
20	Netherton R.C. ... ..		24 infants, 26 mixed.
20	Netherton Temporary Council ..		220 infants and juniors.
20	Sefton Council ... ..		21 infants and mixed.
20	Aintree Temporary Council ...		211 infants and juniors.

### SCHOOL CLOSURE.

It was not found necessary to close any of the schools during the year owing the presence of infectious disease.

**Section D.****HOUSING.****STATISTICS.**

Number of new houses erected during the year :—

(a) Total (including numbers given separately under (b) ...	—
(i) By the local authority ... ..	—
(ii) By other local authorities ... ..	—
(iii) By other bodies or persons ... ..	—
(b) With State assistance under the Housing Acts :—	
(i) By the local authority (included under (a) (i) above)	—
(ii) By other bodies (included under (a) (iii) above) ...	—

Total number of dwelling-houses in the Rural District at 31st December, 1945 ... .. 11,764

1. INSPECTION OF DWELLING-HOUSES IN THE RURAL DISTRICT DURING THE YEAR :—

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health and Housing Acts) ... ..	311
(b) Number of inspections made for the purpose ... ..	846
(2) (a) Total number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 ... ..	282
(b) Number of inspections made for the purpose ... ..	310
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ...	7
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects fit for human habitation ... ..	46

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICE :—

Number of dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers ... .. 18

3. ACTION UNDER STATUTORY POWERS DURING THE YEAR :—

A. Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :—

(1) Number of dwelling-houses in respect of which notices were served requiring repairs ... ..	5
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—	
(a) By owners ... ..	5
(b) By Local Authority in default of owners ... ..	—



## B. Proceedings under Public Health Acts :—

- (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied ... .. —
- (2) Number of dwelling-houses in which defects were remedied after service of formal notices :—
- (a) By owners ... .. —
- (b) By Local Authority in default of owners ... .. —

## C. Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—

- (1) Number of dwelling-houses in respect of which demolition orders were made ... .. —
- (2) Number of dwelling-houses demolished in pursuance of demolition orders ... .. —

## D. Proceedings under Section 20 of the Housing Act, 1936 :—

- (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ... .. —
- (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenements or room having been rendered fit ... .. —

**Section E.****INSPECTION AND SUPERVISION OF FOOD.****DAIRIES, COWSHEDS AND PURVEYORS OF MILK.**

The Milk and Dairies Order of 1936 made provisions for securing the cleanliness of dairies, etc., and for protecting milk against infection and contamination.

During 1945 twenty-three requests for limewashing of cowsheds had to be made. The work was carried out in all cases.

**TABLE 1.**

Number of Registered Dairies at end of 1944	New Application for Registration	Registration Refused	Dairies Removed from Register	Number of Registered Dairies at end of 1945
121	4	—	3	122

The total number of registrations is made up as follows :—

96 cowkeepers, 8 retail purveyors resident in the district, and 18 retail purveyors of milk non-resident.



TABLE 2.

YEAR.	DESIGNATED MILK PRODUCERS.					SAMPLES TAKEN				Dealers Delivering Designated Milk under Supplementary Licence.	REGISTRATIONS Milk & Dairies Consolidation Act			Total Number of Registrations
	Certified	Grade A. T.T.	Grade A.	Grade A Pasteurised	Pasteurised	Under sale of Food and Drugs Act.	By Local Authority	Inspections	Approximate number of Cows		Cowkeepers	Resident Purveyors	Non-Resident Purveyors	
1926	—	—	2	—	—	25	—	176	—	—	62	5	8	75
1927	—	—	2	—	—	22	—	174	—	—	64	6	7	77
1928	—	—	2	—	—	16	—	181	—	—	68	5	9	82
1929	—	—	1	—	—	28	—	215	—	—	72	6	9	87
1930	—	—	1	—	—	43	—	197	—	—	72	7	10	89
1931	—	—	1	—	—	42	—	219	830	—	72	7	11	90
1932	—	—	2	—	—	22	5	263	1070	1	90	13	14	117
1933	—	—	3	—	—	34	3	273	1158	2	93	14	12	119
1934	—	—	3	—	—	52	11	277	1266	2	106	16	13	135
1935	—	1	6	—	—	52	35	330	1400	2	113	14	16	143
	Accredited	Tuberculin Tested	Pasteurised											
1936	11	1	2			52	68	340	1400	2	110	15	16	141
1937	13	2	—			48	54	327	1400	2	114	14	17	145
1938	14	2	—			57	56	372	1400	2	115	14	14	143
1939	15	2	—			59	40	358	1400	1	111	10	17	138
1940	14	2	—			18	15	318	1350	—	108	10	17	135
1941	14	2	—			39	30	254	1600	—	109	9	17	135
1942	15	1	—			20	20	257	1500	—	105	8	18	131
1943	15	1	—			21	39	268	1400	—	98	9	18	125
1944	12	2	—			30	35	247	1350	1	95	8	18	121
1945	10	4	—			31	33	225	1350	2	96	8	18	122

**MILK SAMPLING.**—Thirty-three samples of milk were taken by the Inspectors during the year.

Twenty-seven of these samples were for Tuberculosis, all of which proved to be negative.

Six samples were submitted for Methylene blue reduction and bacterial count, five proved satisfactory and one unsatisfactory.

All the examinations were carried out by the Pathological Department of the Liverpool University.

Thirty-one samples were taken in the district under the Food and Drugs Act, 1938.

The total number of dairy inspections made during the year was 225, and the approximate number of cows 1,350.

### **FOOD AND DRUGS ACT, 1938.**

As from July, 1940, this Act has been administered by the County Sanitary Inspectors. The work was previously carried out by the County Police.

The accompanying figures have been supplied by the County Council:—

Samples taken.					Number.	Prosecutions.
Milk	...	...	...	...	31	1

### **BAKEHOUSES.**

There are fifteen bakehouses in the district, distributed as follows: Aughton 4, Bickerstaffe 1, Hesketh Bank 1, Maghull 4, North Meols 1, Scarisbrick 1, Tarleton 3. The premises are kept in a good condition.

### **SLAUGHTERHOUSES.**

Private slaughtering was abolished at the commencement of the war.

### **RATS AND MICE (DESTRUCTION) ACT, 1919.**

#### **INFESTATION ORDER, 1943.**

The Council's Rodent Operator was called to H.M. Forces in March, 1945. Thus the survey begun in 1944 was interrupted. In September, the services of another operator was obtained, who continued with the survey and inspection work in various parishes. Infestation of a minor character only was found and dealt with satisfactorily. Re-inspection and test baits were laid some two or three months later and in most cases no re-infestations were found.

The treatment of sewers and Sewage works was carried out by the Surveyor's Department, and good results were obtained. Re-treatment is carried out periodically to prevent any serious re-infestation.



The co-operation of the Lancashire War Agricultural Executive Committee is often sought for the treatment of farm lands and ditches adjacent to dwelling-houses and factories and good results are always obtained.

The work under the Infestation Order was continued during the year and at the 31st December the following particulars were revealed of the work carried out since the 9th November, 1943, the date of the Ministry of Food's directions:—

1. Number of premises surveyed ... .. 3,581

2. Number of premises found to be infested:—

Reservoir infestations	...	...	...	...	...	...	...	—
Major	„	...	...	...	...	...	...	8
Minor	„	...	...	...	...	...	...	107

3. Number of premises disinfected up to the 31st December, 1945:—

Reservoir infestations	...	...	...	...	...	...	...	—
Major	„	...	...	...	...	...	...	8
Minor	„	...	...	...	...	...	...	104

4. SEWER:—

Test baiting has been carried out at several points on the Council's sewerage system, and in consequence of these tests parts of the sewerage system have been treated in accordance with the Divisional Rodent Officer's instructions.

5. AGRICULTURAL LAND:—

As this district is mainly an agricultural one, co-operation, where necessary, is made at all times with the War Agricultural Executive Committee.

### GAMMEXANE.

A supply of gammexane was obtained in August, 1945, and was first used on a Council tip in Banks, which was found heavily infested with crickets.

The procedure adopted was:—

- An examination of the surfaces was made with rakes to ascertain the degree and location of the infestation.
- A liberal dusting of gammexane applied, using dust sprayers, to the infested surfaces.
- On the portion of tip face most recently in use, a covering of earth was applied after the initial dusting, and then a top dusting was given.



The tip was left for a week and then re-examined, and the result was found to be very satisfactory. A heavy kill had taken place and little evidence was seen of surviving crickets.

After a further inspection in a month's time, practically no evidence of crickets was found.

The claim of residual toxicity of gammexane appears to be fully justified.

As regards fly infestation, several house kitchens and larders have been sprayed after the removal of foodstuffs, with excellent results in spite of the rather objectional smell which persists for two or three weeks afterwards.

Used in cowsheds, the results have been most encouraging, and the smell in these instances has not been so marked.

As a cockroach killer in dwelling-houses a mixture of gammexane and pyrethrum is used, and provided the dust is well sprayed into crevices and sub-floor spaces, excellent results have been obtained.

Similarly, an infestation of ants in a dwelling-house was successfully treated; the nest in this case was found in the sub-floor space adjacent to the hearth.

## FACTORIES.

The total number of Factories with and without mechanical power is 176. 235 inspections were made, and seven defects were found and remedied during 1945.

### 1.—INSPECTIONS.

Including Inspections made by the Sanitary Inspectors.

Premises.	Inspections.	Notices.	Prosecutions.
Factories with mechanical power ...	48	—	—
Factories without mechanical power ..	187	—	—
Totals ...	235	—	—

### 2.—DEFECTS FOUND.

Particulars of Nuisances under Public Health Acts.	No. of Defects.	
	Found.	Abated.
Want of cleanliness ... ..	7	7

**MEAT INSPECTION.**

Place.	Weight Condemned.			
	Tons.	cwt.	qtr.	lbs.
Aintree Cold Stores ... ..	14	2	—	34
Various Retail Shops ... ..		1	—	38
	14	3	—	72

The inspections carried out at the Aintree Cold Stores consisted of Imported Meat and Meat Products, practically all of which was damaged during transit to this country by enemy action at sea.

In other parts of the district a number of tins of assorted foodstuffs and other foods were condemned.

**OFFENSIVE TRADES.**

The Soap Works situated in Park Lane, Netherton, is under good management, and the conditions are satisfactory.

**Section F.****PREVALENCE OF AND CONTROL OVER INFECTIOUS  
AND OTHER DISEASES.****INFECTIOUS DISEASES STATISTICS.**

	Smallpox.	Enteric Fever.	Scarlet Fever.	Measles.	Diphtheria.	Puerperal Pyrexia.	Cerebro- Spinal Fever.	Poliomye- litis.	Malaria.	Encephalitis Lethargica.	Whooping Cough.	Erysipelas.	Pneumonia.
Cases ...	—	—	121	138	7	2	1	—	—	—	36	9	21
Deaths ...	—	—	—	—	—	—	—	1	—	1	1	—	11

NOTIFIABLE DISEASES DURING THE YEAR 1945.

NOTIFIABLE DISEASES.	TOTAL CASES NOTIFIED.												HOSPITAL.		Deaths in Hospital of persons belonging to the District.	
	Total cases at all ages.	Years.											Total cases removed to Hospital.	Total Deaths.		
		Under 1 year.	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65				65 and over.
Smallpox	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Scarlet Fever	211	2	8	4	27	52	19	4	4	—	—	1	—	49	—	—
Diphtheria	7	—	—	—	—	3	1	1	—	—	—	—	—	7	—	—
Enteric Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Measles	138	4	21	12	33	42	6	2	1	1	—	—	—	—	—	—
Whooping Cough	36	4	9	6	5	6	—	—	1	5	2	—	—	2	—	—
Pneumonia	21	—	1	2	—	—	—	—	—	—	—	—	—	Not known	4	—
Puerperal Pyrexia	2	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
Cerebro-Spinal Fever	1	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—
Acute Poliomyelitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Encephalitis Lethargica	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ophthalmia Neonatorum	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pulmonary Tuberculosis	38	—	—	—	—	—	—	—	—	—	—	—	—	2	22	2
Other Tuberculous Diseases	9	—	1	—	1	—	—	5	19	11	1	7	7	5	—	—
Totals	386	8	33	29	66	103	26	11	39	19	23	4	29	88	13	





Table showing the number of cases of infectious disease occurring during the year in each townships in the Rural Districts and the number of deaths.

1945.	TOWNSHIP.	Pneumonia		Scarlet Fever		Diphtheria		Enteric Fever		Whooping Cough		Erysipelas		Puerperal Fever and Pyrexia		Cerebro-Spinal Fever		Diarrhoea		Measles		Tuberculosis		TOTALS	
		C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
Aintree	...	—	1	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2	2	10	3
Altcar	...	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	3	—	
Aughton	...	3	2	8	—	1	—	—	—	—	—	3	—	—	—	—	—	—	—	9	—	1	30	3	
Bickerstaffe	...	1	1	5	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	31	—	1	39	2	
Bispham	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Downholland	...	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	2	—	
Ford	...	1	—	5	—	2	—	—	—	4	—	1	—	—	—	—	—	—	—	3	—	1	17	1	
Halsall	...	1	—	3	—	—	—	—	—	4	—	1	—	—	—	—	—	—	—	16	—	1	27	1	
Hesketh Bank	...	1	1	3	—	—	—	—	—	3	—	—	—	—	—	1	—	—	—	2	—	—	11	1	
Ince Blundell	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Lydiate	...	—	—	3	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	7	—	
Maghull	...	2	3	47	—	—	—	—	—	8	—	1	—	1	—	—	—	—	—	4	—	4	78	7	
Melling	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	2	4	2	
Netherton	...	1	—	11	—	3	—	—	—	1	—	3	—	—	—	—	—	2	—	30	—	6	55	2	
North Meols	...	4	—	4	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	4	—	1	14	2	
Rufford	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	—	1	6	—	
Scarisbrick	...	3	2	15	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	18	—	3	42	3	
Sefton	...	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	3	—	
Simonswood	...	—	—	—	—	—	—	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—	4	—	
Tarleton	...	3	1	3	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	3	—	—	13	1	
Thornton	...	—	—	7	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	5	—	3	17	—	
W.L.R.D.C.	...	21	11	121	—	7	—	—	—	36	1	9	—	2	—	1	—	—	2	138	—	47	14	382	28

**DIPHTHERIA.**

Central Clinics are held at certain of the schools in the Rural District where children from the neighbouring schools attend for immunisation treatment, together with pre-school children from the surrounding districts. In addition, a fortnightly clinic is held at the Ormskirk Council Offices, and a monthly clinic at the Maghull Parish Institute. Treatment is also offered to all convalescents at the Infectious Diseases Hospital who are recovering from complaints other than Diphtheria.

Diphtheria incidence was slightly lower than that in the previous year, seven cases having been notified. Nine carriers were discovered. Immunisation would appear to account for the low incidence of the disease. Four of the cases were over school age.

**DIPHTHERIA IN THE WEST LANCASHIRE RURAL DISTRICT,  
1935—1945.**

	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
Cases    ...    ...	22	5	33	34	37	20	40	25	12	12	7
Deaths    ...    ...	—	—	1	2	5	1	3	—	2	—	—



DIPHtheria Incidence During 25 Years.

Under														TOTAL
5 Year Periods ...	1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 & up	at all ages	
1921-1925	...	—	—	1	5	2	16	13	3	5	2	1	—	48
1926-1930	...	1	3	5	3	9	57	31	13	17	3	2	1	145
1931-1935	...	—	3	3	3	3	25	28	19	15	5	—	1	105
1936-1940	...	—	—	4	9	6	48	27	13	18	3	1	—	129
1941-1945	...	2	1	2	5	10	30	10	8	15	3	3	—	89
PERCENTAGES														
1921-1925	...	—	—	2	14	4	34	28	6	10	4	2	—	
1926-1930	...	1	2	3	2	6	39	21	9	12	2	2	—	
1931-1935	...	—	3	3	3	3	25	26	18	15	5	—	1	
1936-1940	...	—	—	3	7	5	37	21	10	14	2	1	—	
1941-1945	...	2	1	2	6	12	33	12	10	16	3	3	—	
Average 25 years	0.6	1.2	2.6	5.6	6	33.2	21.6	10.6	13.4	3.2	1.6	0.4		

# PARTICULARS OF WORK DONE IN CONNECTION WITH IMMUNISATION AGAINST DIPHTHERIA SINCE THE COMMENCEMENT OF THE SCHEME IN NOVEMBER, 1932, TO 31st DECEMBER, 1945.

SCHOOL.	YEAR.		Number of acceptances		Total on Register.	% of children actually in school 21.12.45 who have completed course.	Received complete diphtheria course.	Diphtheria course not completed.	Schick tested during 1932-44 and 1945.	Number negative. Absent when results were read.	REMARKS.	
Aintree Council ...	1940—1945	44 148 6	189 211	55.45	137 6	10 —	1 —	1 —	1 —	—	2 absent for 2nd injection. 2 refused 2nd injection. 25 given further dosage after 5 years.	
Aughton Christ Church ...	1932—1945	44 210 7	87 114	43.07	205 7	6 —	46 —	1 —	41 —	1 —	4 positive, 1 left before completing, 1 not allowed to complete course, 2 absent for 2nd injection. 4 given further dosage after 5 years.	
Aughton Parochial ...	1932—1945	44 129 3	75 83	63.85	121 3	8 —	28 —	—	27 —	—	1 positive, 2 absent for and 1 refused for 2nd injection. 1 given further dosage after 5 year period. 10 given further dosage after 5 year period.	
Bickerstaffe C.E. ...	1932—1945	44 253 4	107 103	90.29	242 3	11 1	49 —	1 —	46 —	1 —	2 positive. 1 parent refused 2nd injection. 26 given further dosage after 5 year period.	
Bispham Free Grammar ...	1932—1945	44 100 —	57 61	78.68	93 —	7 —	34 —	—	34 —	—		
Haskayne C.E. ...	1932—1945	44 55 1	13 13	69.23	51 1	3 —	25 —	—	25 —	—		
Halsall C.E. ...	1932—1945	44 314 5	201 145	64.82	290 5	24 —	87 —	—	85 —	—	2 positive, 2 absent for and 1 refused 2nd injection. 22 given further dosage after 5 year period.	
Hesketh C.E. ...	1932—1945	44 125 1	87 73	64.38	120 1	5 —	32 —	—	32 —	—	1 absnt for 2nd injection. 1 given further dosage after 5 year period.	
Ince Blundell R.C. ...	1932—1945	44 86 —	37 41	90.24	78 —	8 —	39 —	—	39 —	—		
Lydiate R.C. ...	1932—1945	44 112 —	73 65	78.46	102 —	10 —	51 —	—	48 —	—	3 positive, 1 treated previously by us.	
Lydiate C.E. ...	1932—1945	44 109 —	81 86	58.16	105 —	4 —	36 —	2 —	34 —	—		
Maghull C.E. ...	1932—1945	44 642 5	444 424	43.39	615 4	28 1	208 —	9 —	189 —	—	10 positive, 3 absent for 2nd injection. 3 given further dosage after 5 year period, 1 absent for 2nd injection.	
Maghull Central ...	1939—1945	44 78 7	276 261	61.30	71 7	7 —	4 —	—	4 —	—	2 absent for 2nd dose, 17 treated previously by us, 1 treated in hospital. 7 given further dosage after 5 year period.	
Maghull R.C. ...	1932—1945	44 162 10	68 110	62.72	143 7	19 3	21 —	1 —	20 —	—	3 absent for 2nd injection, 1 treated previously by us. 10 given further dosage after 5 year period, 3 absent for 2nd injection.	
Maghull Temporary Council ...	1942—1945	44 —	249 249	74.69	94 —	1 —	—	—	—	—	1 absent for 2nd dose 4 treated previously by us	



IMMUNISATION AGAINST DIPHTHERIA—continued.

Melling C.E.	...	...	1932—44 1945	191 2	113 115	179 2	12 —	50 —	49 —	1 —	2 absent for 2nd injection, 2 treated previously by us. 2 given further dosage after 5 year period.
Melling R.C.	...	...	1932—44 1945	85 5	39 56	80 78.57	5 2	40 —	39 —	— —	4 absent for 2nd injection, 1 treated previously. 6 given further dosage after 5 year period, 2 absent for 2nd injection.
Netherton R.C.	...	...	1932—44 1945	147 6	58 50	136 70.00	11 1	56 —	44 —	6 —	6 positive, 2 absent for 2nd injection, 2 treated previously. 10 given further dosage after 5 year period, 1 did not attend for 2nd injection.
Netherton Council	...	...	1940—44 1945	113 7	202 220	100 58.18	8 —	5 —	5 —	— —	5 not treated as they were Schick negative, 2 absent for and 1 left before 2nd injection, 4 treated previously by us. 26 given further dosage after 5 year period.
Rufford C.E.	...	...	1932—44 1945	89 —	51 57	84 63.18	4 —	36 —	35 —	— —	1 positive, 1 had no injections, 6 treated previously by us, 1 absent for 2nd injection.
Rufford-Holmeswood Methodist	...	...	1932—44 1945	62 —	50 47	57 68.08	3 —	22 —	20 —	2 —	3 treated previously by us.
Banks St. Stephen's	...	...	1932—44 1945	96 —	105 104	90 30.76	5 —	17 —	4 —	1 —	2 positive, 3 treated previously by us.
Banks P.M.	...	...	1932—44 1945	117 2	163 139	98 64.74	19 —	— —	— —	— —	4 treated previously by us.
Scarisbrick Council	...	...	1932—44 1945	51 5	43 50	50 76.00	1 —	5 —	4 —	1 —	
Scarisbrick C.E.	...	...	1932—44 1945	102 4	41 44	93 68.18	9 —	19 —	19 —	— —	5 absent for 2nd injection.
Scarisbrick R.C.	...	...	1932—44 1945	177 8	127 115	162 72.17	15 1	51 —	50 —	— —	1 positive, 7 absent for 2nd injection, 9 treated previously by us. 3 given further dosage after 5 year period, 1 absent for 2nd injection (evacuee, returned home).
Sefton Council	...	...	1932—44 1945	118 —	20 21	105 80.90	8 —	40 —	39 —	1 —	2 had no injections, 3 treated previously by us, 1 absent for 2nd injection.
Tarleton Mere Brow	...	...	1932—44 1945	98 —	60 55	84 67.27	13 —	30 —	30 —	— —	1 treated after preliminary test, 3 absent for 2nd injection, 1 treated previously by us.
Tarleton C.E.	...	...	1932—44 1945	150 6	98 105	143 83.80	7 1	30 —	30 —	— —	4 treated previously by us, 2 absent for 2nd injection. 4 further dosage after 5 year period, 1 absent for 2nd injection.
Tarleton Council	...	...	1932—44 1945	214 2	193 193	192 53.88	21 —	60 —	57 —	1 —	1 immunised after preliminary test, 2 positive, 4 treated previously by us. 11 given further dosage after 5 year period.
TOTALS	...	...	1932—44 1945	4,429 96	3,408 3,290	4,121 83.33	292 10	1,122 —	1,060 —	27 —	11 immunised after preliminary test, 5 had no injections, 35 positive, 46 absent for 2nd injection, 2 left before and 5 refused 2nd injection, 64 treated previously by us, 1 treated in hospital, 1 given further dosage after 5 year period. 170 given further dosage after 5 year period, 10 absent for 2nd injection.

	Pre-School Children.	Children attending Schools elsewhere.	Scarlet Fever Patients in Hospital.	Adults.
1932-44	...	...	...	...
1945	...	...	...	...
	2054	102	92	7
	334	3	—	2
TOTAL NUMBER OF PERSONS COMPLETELY IMMUNISED — 6,794.				



## DIPHTHERIA.

Number of persons, in age groups, completely immunised, or found to be Schick Negative:—

Age	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	
Under 1 Year	—	—	3	2	3	2	1	2	14	41	30	22	17	
1 Year	—	4	6	12	18	13	7	10	88	221	203	181	205	Total under under 5 years at end of 1945
2 „	2	6	3	10	22	21	14	24	101	173	71	47	76	
3 „	8	4	14	11	15	18	10	33	97	137	55	17	23	1181
4 „	12	13	11	6	38	30	21	24	102	144	63	26	13	
5 „	63	86	43	72	103	75	36	127	189	225	139	87	28	
6 „	78	41	22	60	63	71	32	81	157	124	90	51	19	Total 5-9 years at end of 1945
7 „	67	41	14	40	46	46	16	57	111	66	51	9	11	
8 „	76	28	21	36	41	40	12	38	68	57	52	14	5	2217
9 „	80	30	18	15	33	29	16	28	69	50	31	7	6	
10 „	59	27	22	22	17	30	12	35	63	38	29	9	3	
11 „	75	19	22	15	22	18	11	11	45	29	36	3	7	Total 10-14 years at end of 1945
12 „	58	23	9	19	16	26	5	5	39	31	28	3	3	
13 „	44	28	11	10	5	7	3	13	36	12	14	5	2	2027
14 „	8	3	3	4	2	1	—	12	—	1	—	2		
15 years 1 and over	—	1	5	1	8	2	7	2	3	—	—	2		Total over 15 years at end of 1945
														2027
Total	631	353	223	339	445	428	198	507	1181	1352	892	483	420	7452

\* November, 1932, to December, 1933.

**SCARLET FEVER.**

Scarlet Fever incidence was high during 1945, 121 cases being notified.

All cases were of mild type, but it was necessary to remove 62 of them to hospital. The general policy is to remove to hospital such cases of Scarlet Fever as are living under overcrowded conditions, or in such circumstances that they may become conveyors of infection through inefficient isolation.

The following table shows the incidence and mortality from Scarlet Fever during the past ten years:—

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
Cases ...	79	50	128	103	38	50	12	66	75	121
Deaths ...	—	—	—	—	—	—	—	—	—	—

**MEASLES.**

The subjoined table indicates the incidence and fatality of this disease during the last ten years:—

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945
Cases ...	67	115	125	37	560	292	251	178	180	138
Deaths ...	—	—	2	—	2	1	—	—		—

Measles is now a notifiable infectious disease, and this fact accounts for the apparent increase in the number of cases occurring since 1940.

**WHOOPING COUGH.**

These remarks also apply to Whooping Cough. 36 cases of whooping cough were notified, as against 58 in 1944 and 50 in 1943.

**MATERNAL MORTALITY.**

No deaths were registered during 1945 as being due to puerperal disease; there was one death recorded from other maternal causes.

**TUBERCULOSIS.**

Summary of notifications under the Public Health (Tuberculosis Regulations, 1930) received during 1945:—

			NEW CASES.						DEATHS.					
Age Periods.			Respiratory.			Non-Respiratory.			Respiratory.			Non-Respiratory.		
Years			M.	F.		M.	F.		M.	F.		M.	F.	
0—1	...	...	—	—	...	—	—	...	—	—	...	—	—	
5—10	...	...	—	—	...	1	—	...	—	1	...	—	—	
5—10	...	...	—	—	...	1	—	...	—	—	...	—	—	
10—15	...	...	—	—	...	—	—	...	—	—	...	—	—	
15—20	...	...	—	3	...	1	—	...	—	—	...	—	—	
20—25	...	...	4	3	...	1	—	...	1	—	...	—	—	
25—35	...	...	1	7	...	—	3	...	2	1	...	—	—	
35—45	...	...	10	2	...	—	1	...	—	—	...	—	—	
45—55	...	...	2	1	...	—	1	...	1	1	...	—	1	
55—65	...	...	2	2	...	—	—	...	1	—	...	—	—	
65 and upwards			1	—	...	—	—	...	2	1	...	1	1	
			20	18	...	4	5	...	7	4	...	1	2	
TOTALS	...		38			9			11			2		

The Urban Districts of Ormskirk and Skelmersdale and the Rural District of West Lancashire are included in Dispensary Area No. 5, with Headquarters at the Dispensary, "Ellesmere," Crosby Road North, Waterloo. Dispensary Sessions are held there on Mondays and Wednesdays at 2 p.m. X-ray examinations are performed on Thursday morning at 10 o'clock. Evening consultations may be arranged by appointment. Dr. C. Berry is the Consultant Tuberculosis Officer for the area, and has, as his Staff, two Assistant Tuberculosis Officers and six Tuberculosis Nurses.

A Pulmonary Hospital of 52 beds is situated at Rufford.

NOTIFICATIONS ON FORM 1. BY MEDICAL OFFICERS OF HOSPITALS.

		Public Assistance Hospital.	Sanatoria and Pulmonary Hospitals.	Military and General Hospitals.
Pulmonary :				
Male	...	—	11	2
Female	...	—	9	—
Non-Pulmonary :				
Male	...	—	—	1
Female	...	—	—	1

The following table is an analysis of the occupations of the 47 new cases of tuberculosis notified during 1945 :—



Occupation.	Pulmonary.		Non-Pulmonary.	
	Males.	Females.	Males.	Females.
Housewife ... ..	—	8	—	4
Clerk ... ..	1	1	—	1
Labourer ... ..	1	—	—	—
Cook ... ..	1	—	—	—
Waiter ... ..	1	—	—	—
Market Gardener ... ..	1	—	—	—
Shop Assistant ... ..	—	1	—	—
Nurse ... ..	—	1	—	—
Porter ... ..	1	—	—	—
Ship Steward ... ..	1	—	—	—
Farmer ... ..	2	—	—	—
Farm Hand ... ..	1	—	—	—
Machinist ... ..	1	—	—	—
Naval Lieutenant ... ..	1	—	—	—
Lang Agent ... ..	1	—	—	—
Inspector (Precision Tools)	1	—	—	—
Manager ... ..	1	—	—	—
Occupation Unknown ...	7	5	—	—
Tool Maker ... ..	—	—	1	—
Schoolchild ... ..	—	—	1	—
Engineer ... ..	—	—	1	—
Child ... ..	—	—	1	—
	22	16	4	5

In forty-five houses inspected during the year by reason of tuberculosis inmates, 17 cases were found not to be sleeping in separate bedrooms, and in each of these cases 15 were not even sleeping in separate beds. Three cases slept in separate bedrooms.

### **PNEUMONIA.**

Twenty-one cases of pneumonia were notified during 1945, a decrease of eighteen on the figure for 1944. Deaths from pneumonia numbered 11.

There are no facilities locally for the typing of pneumococci and for the provision of appropriate type sera, such work being of necessity performed in one of the large towns adjacent to the District.

### **ENCEPHALITIS LETHARGICA.**

#### **(Epidemic Encephalitis.)**

No new notifications were received during 1945, and there was only one death due to the disease.







